

## HOW TO MAKE ROPE CHROMOSOMES (Telomeres)

**You will need: Polyester rope- one skein**

**Electrical tape in red, yellow and blue, and black (1/2" Wide). This usually comes packaged together.**

**"DYMO" 3/8"x9.8' black tape and tool to punch, (can Be found at Office Depot or [www.Dymo.com](http://www.Dymo.com)).**

**Small dish of water**

- 1. Take out each rope chromosome, (telomeres) measure its length to new rope, then cut the FIRST end and burn that end with wooden matches and dip in water to cool. (The polyester rope will melt nicely-but the flame will keep on melting the rope down unless you cool in water).**
- 2. Then measure where the knot needs to be and tie the knot, *(Make sure to measure rope again AFTER knot has been tied THEN cut and melt the end. This will keep it accurate)***
- 3. The blue electrical tape should be wrapped at the top under the burned end neatly around the rope one time so ends overlap to stick.**
- 4. Wrap black DYMO tape with number punched in underneath the blue tape for identification.**

**The other colored tapes should be wrapped the same way around the rope. It takes a little practice getting the knot in the new rope to match – if you make a mistake you can re-use it on a shorter version if necessary.**

